



1960

List of ORCHID PLANTS

MAIL ORDERS ONLY.

We are primarily growers and wholesalers of cut-flower orchids and are not organized to handle retail sales at our nursery. We are continually growing new Hybrids to obtain new colors and types and improved quality. We grow extra seedlings and because of the natural increase thru growth of our mature plants we have a surplus to offer our customers.

PRICES AND DISCOUNTS.

Our prices are lower than those usually asked for plants of compareable quality. We offer discounts in the form of free plants with orders amounting to \$25.00 or more. The larger the order the more FREE PLANTS. Special quotations on large orders to growers.

SHIPPING.

Our prices on seedlings in 1½ inch pots include postal or shipping charge. Plants in 2 inch pots and larger are sent carrying charges collect. We advise Shipment by Railway Express on all but the smallest orders as the plants may be insured when shipped Express, which can not be done with mail shipments of Plants. WE DO NOT SHIP PLANTS IN POTS, except the light 1½ inch pot size. The pots would only be broken in transit anyway and might damage the plants enroute and the extra expense would be much more than the value of the pots. We do not ship plants during periods when cold weather may be expected enroute while the plants are in transit, EXCEPT when you request us to do so At YOUR RISK.

GROWING INSTRUCTIONS.

We do not advise spending money of Correspondence courses in orchid culture. More and better information is available in the many books about orchids that are available at less expense thru your book store or library. We have primary growing instructions and cultural notes which are free for the asking and if you have a cultural problem not covered in the orchid books we will be glad to offer suggestions if you will send us details.

PLEASE do not ask us to ship plants in flower or to send plants that will be sure to flower on any certain day. Flowers and buds are certain to be damaged enroute and there are two many inviremental factors envolved that may delay or hasten the development of the flowers.

NO C.O.D. ORDERS.

Please do not ask us to ship plants C.O.D. Shipping charges can be sent collect but not the cost of the plants. Because there are a few dishonest people we have had to make this a rule.

FLOWERING SEASONS of plants given in our lists is the time of the year when they flower for us here in this part of California. Many factors effect the flowering season which may be changed by your growing conditi and the seasonal day-lenght in your locality.

FRANKLIN W. GAMBLE
ORCHID SPECIALIST.
62 Shell Road. Mill Valley
California

1930 List of ORCHID PLANTS

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We are primarily growers and wholesalers of orchid plants and are not organized to handle retail sales at our nursery. We are continually growing new hybrids to obtain new colors and types and improved quality. We grow extra seedlings and because of the seasonal increase in growth of our mature plants we have a surplus to offer our customers.

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SHIPPING.

Our prices on seedlings in 12 inch pots include postal or shipping charges. Plants in 2 inch pots and larger are sent carrying charges collect. We advise shipment by Railway Express on all but the smallest orders as the plants may be injured when shipped Express, which can not be done with mail shipments of plants. WE DO NOT SHIP PLANTS IN 1930, except the light 12 inch pot size. The pots would only be broken in transit anyway and might damage the plants and the extra expense would be much more than the value of the plants. We do not ship plants during periods when cold weather may be expected around while the plants are in transit, EXCEPT when you request us to do so at YOUR RISK.

GROWING INSTRUCTIONS.

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PLEASE do not ask us to ship plants in flower or to send plants that will be sure to flower on any certain day. Flowers and buds are not so involved that they may delay or hasten the development of the flower.

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FRANKLIN W. CALHOUN
ORCHID SPECIALIST
61 Shell Road, Mill Valley
California

mature, Flowering size Cattleya Hybrids.

During 1959 we received orders for almost twice as many mature Cattleya plants as we had to offer and many of our customers whose orders we could not fill last year have asked us to keep the orders and fill them this year. Therefore, until we can fill these orders during our repotting season this year from the surplus plants which we can spare from our cut-flower stock and can inventory the plants available after these orders are filled, we can offer only the mature plants listed below and we do not have very many of these available.

Cattleya Sydney T. Wright. The hybrid of C. Eleanore Alba and Cattleya Leopoldii. A bifoliate hybrid with sprays of 4 to 8 flowers from 5 to 6½ inches in diameter in unusual shades of plum, bronze and lavender. Flowering size plants at \$7.50 each. (Summer thru Fall flowering)

Laelia-Cattleya Elmstead Gem. Another new bifoliate producing clusters of 3 to 4 inch flowers in green and yellow shades. Last year when we offered these we TRIED to tell our customers that the color of the flowers will vary according to the amount of light, degree of temperature and amount and type of plant food given the plants and plants that have flowered GREEN for us have been yellow flowered for some of our customers and the reverse has also happened. This same variation in color can be expected with Cymbidiums, especially the green flowered types. Many an orchid grower has been blamed by thier customer for misrepresentation. of flower color when the truth was that the customer did not understand or could not provide the cultural conditions required to flower a good green variety. So this year we only promise to select plants that have flowered EITHER yellow, Green or Chartruse FOR US. Flowering size plants which flower during the fall season in California (for us. \$10.00 each.

#766. (White flowered Cattleya Cowaniae) Crossed to Red Flowered Cattleya Chamberlianana. A new hybrid with one-fourth bifoliate parentage. Just starting to flower during the winter of 59-60. very variable in color ranging from light to dark lavender and purple shades, mostly with full lips, a few with spade lips. Not marked as to color but all the plants offered here have flowered or will flower with proper care within a year. First flowers have been from 5½ to 6½ inches in diameter. \$5.00 each.

Laelia-Cattleya Topaz. A L. Cinnabarina Hybrid. Sprays of star shaped flowers 3 to 4 inches in diameter, orange-yellow to orange-red in color with rose colored lips. Only six plants available at \$7.50 each.

As stated at the top of this page, we hope to have a number of plants of the large flowered conventional type cattleya hybrids to offer later this year at \$5.00 each.

ELK-HORN FERNS. These are not orchids but exotic ferns that grow on trees like orchids do in thier natural state. Large fronds resembling Elk-horns in that they branch and fork. Established plants mounted on bark and wood which may be hung on the wall or from the ceiling of your greenhouse. Offered to our orchid customers at one-fourth of what they often sold for by others. When ordered with orchids we offer them at \$2.50 each. Native to Queensland in Australia.

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PHALAENOPSIS. Also known as Moth orchids.

We do not recomend these as house plants as they require more humidity and more even temperature than is available in most homes. If you have a greenhouse they are worth trying. White Flowered Only.

Phalaenopsis Doris. Young plants with first flower spikes, grown in bark and shipped out of pots. Priced according to size and quality of flowers at \$2.50... \$5.00 and higher for exceptionally fine varieties.

Small Flowered Phalaenopsis Hybrids, experimental crosses from other growers that we have grown on to flowering size. Small white flowers. Plants grown in bark and shipped out of pots. \$1.50 and \$2.00 each.

Miltonias (Pansy Orchids)

Recomended only for those living where summer temperatures can be kept below 80 degrees in the growing area most of the time. Cultural instructions for these available free.

Flowering size plants. Our selection of four different colors and markings from our stock of white, pink and rose shades with various colored markings. Four plants for \$10.00.

Odontonia Marin. A beautiful orchid requireing cool growing conditions. If you are interested in these we can send you color slides and quote prices. No two exactly alike in color and markings.

Oncidiums. (Dancing lady orchids) May be grown with Cattleyas.

Oncidium Sarcodes. Long sprays of golden brown and yellow flowers during spring months. Flowers last for weeks under good growing conditions. Flowering size plants at \$5.00 each.

Oncidium Nona. A hybrid with larger flowers than above but not as many to the spray. Golden -brown petals and a large yellow lip. Flowering size plants at \$5.00 each.

MILTONIDIUM Lee Hirsch.

This is our hybrid of Miltonia Spectabilis and Oncidium Rogersii. Known all over the world and classified by many as the best of all Oncidium hybrids. Large Cream to deep yellow flowers shaped like Onc. Rogersii but much larger. Only a few flowering size divisions available at \$10.00 each. These require skill in growing to perfection and must never be overwatered or subjected to extream heat or too much light.

Dendrobiums. This is a very popular type of spray orchid with those whom have learned not to overwater them. There are hundfeds of varieties of these available from verious growers. They sell so fast for us that most of the kinds offered last year are sold out. The following are divided into two classes to make it easier for you to select those suited to your growing conditions.

Class One. Those which may be grown with cattleyas.

Dendrobium D'Albertissi. Rare variety with green petals and white lip. Antelope type flowers. only a few divisions available at \$5.00 each.

Dend. Phalaenopsis x Dend. Schroderianum. Purple-red flowers on sprays shapped like the moth orchids. Small plants, flowering size \$2.00

Dendrobium Moschatum, fine variety selfed. Large apricot & peach colored blooms, pouch like lip. Small seedling plants averaging three inches high. Only a few available at \$2.00 each.

PHALAENOPSIS. Also known as moth orchids.

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Phalaenopsis Dottie. Young plants with first flower spikes, grown in bark and shipped out of pots. Priced according to size and quality of flowers at \$2.50... \$5.00 and higher for exceptionally fine varieties.

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Class One. Those which may be grown with Cattleyas. Onchidium Walpurtas. Rare variety with green petals and white lip. Anchope type flowers. Only a few divisions available at \$2.00 each.

Class Two. Phalaenopsis x Dend. Schroblerianum. Purple-red flowers on sprays shaped like the moth orchids. Small plants, flowering size \$2.00

Dendrobium Nocturnum. Fine variety called. Large sprigged & peach colored blooms, pouch like lip. Small seedling plants averaging three inches high. Only a few available at \$2.00 each.

Special Limited offer.

We have very few of each of the following and when these are sold there will be no more available, at least not for the several years it requires to grow them from seed.

Seedlings in 1½ inch pots.

- #2. *Aspasia Principissa* x *Miltonia Flavenscens*
- #15. *Oncidium Pulchellum*.
- #17. *Diacrium Bicornutum* x *C. Granulosa*
- #18. *Cattleya Amethystoglossa* x *Diacrium Bicornutum*
- #20. *Oncidium Sprucei* x *Onc. Splendidum*
- #19. *Epidendron Vitellium* x *Diacrium Bicornutum*
- #22. *Dendrobium Jacquelym Thomas*. White flowered.
- #23. *Dendrobium Hololeucum* x self. White flowered.

The above are priced at \$2.00 each.

Flowering size or near flowering size. (Few of a Kind available)

- #1. *Epidendron Difforme* x *Epidendron Floribunda*. Clusters of green flowers on top of reed like stems from six to 10 inches tall. Should flower this year. \$3.50 each.

- #8. *Epidendron Fragrans* x *Brassovola Cordata*. Cream & Chartruse flowers with shell shaped lips, each about 1½ inches in diameter. Plants of flowering size at \$3.00

- #10. *Rodrequezia Secumda* x *Onc. Lanceanum*. Even tho the pollin was used from an *Oncidium*, these produce flowers like the Specie *Rodrequezia Secunda* in coral to red shades, small flowers on each side of six to 15 inch long sprays. Flowering size at \$3.50

EpiCattleya Orpetii. The cross of *Cattleya Amethystoglossa* and *Epidendron O'Brianianum*. Lavender-cerise flowers larger than the usual *Epidendron* flowers on reed-like stems from 3 to 4 feet in height. Plants that should flower this year at \$2.50 each when ordered with large mature *Cattleya* or *Cymbidium* plants. Because of the length of the stems of this variety they require special long shipping boxes so if they are ordered with small seedlings or separately add \$1.00 to cover cost of special box and extra mailing charge.

Laelia Gouldiana. A selected form of this rare Mexican *Laelia*. Only a few divisions available at \$2.50 each. Should be flowered cool or the buds will drop off before they open.

Laelia Cinnabarina
Laelia Harpophyllum.

A very few plants each of these two seldom seen *Laelia* Species with orange-red flowers. These propagations of selected plants grow twice the size of the average wild type. \$10.00 each.

During the summer of 1960 we expect to have other seedlings of very rare species and some new and unusual hybrids in very limited quantity. If your name is on our mailing lists you will receive these offers.

We have very few of each of the following and when these are sold there will be no more available at least not for the several years it requires to grow them from seed.

- Seedlings in 1 1/2 inch pots.
- #2. Aspidistra Fritschiana x Miltonia Elvengiana
 - #15. Oncidium Fritschiana
 - #17. Dactyloctenium x C. Gracilifolium
 - #18. Cattleya Amethysteolosa x Dactyloctenium
 - #20. Oncidium Sprucei x Onc. Splendens
 - #22. Epidendrum Vittellii x Dactyloctenium
 - #23. Epidendrum Jacquinii Thomas. White flowered.
 - #24. Epidendrum Hololeucum x soft. White flowered.

The above are priced at \$2.00 each.

Flowering also on next flowering size. (Few of a kind available)

#1. Epidendrum Diffusum x Epidendrum Floribundum. Corolla of green flowers on top of rosette like stems from 1/2 to 10 inches tall. Should flower this year. \$2.50 each.

#8. Epidendrum Fragrans x Brassavola Coriacea. Green & Chrysanthemum flowers with shell shaped lips, each about 1 1/2 inches in diameter. Plants of flowering size at \$3.00.

#10. Rodriguezia Seemana x Onc. Lutescens. Even the pollen was used from an Oncidium, these produce flowers like the species. Rodriguezia Seemana in corolla to red shaded, small flowers on each side of six to 12 inch long sprays. Flowering size at \$3.50.

Epidendrum Opacum. The cross of Cattleya Amethysteolosa and Epidendrum Opacum. Lavender-rose flowers larger than the usual Epidendrum flowers on rosette-like stems from 3 to 4 feet in height. Plants that should flower this year at \$2.50 each when ordered with large mature Cattleya or Cymbidium plants. Because of the length of the stems of this variety they require special long shipping boxes so if they are ordered with small seedlings or separately add \$1.00 to cover cost of special box and extra mailing charge.

Laelia Gouldiana. A selected form of this rare Mexican Laelia. Only a few divisions available at \$2.50 each. Should be flowered cool or the buds will drop off before they open.

Laelia Ginnabarbina
Laelia Harpophyllum.
A very few plants each of these two seldom seen Laelia species with orange-red flowers. These propagations of selected plants grow twice the size of the average wild type. \$10.00 each.

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Offers.

Plants in 2 to 3 inch pots.

A few in 1½ inch pots.

- #803 . Cattleya Mossiae Wagnerii x Cattleya Elizabeth Ann Thedford.
Both parents are very good June flowering white Cattleyas. We do not have many of these still available. Plants in 2 inch pots at \$3.00
- #804. Cattleya Eleanore Alba x L.C. Peggy Huffman, fine splashed variety.
All of these seedlings will not have splashed petals but those that do should be very beautiful. Summer flowering. Plants in 2½ inch pots at \$2.50. Larger plants in 3 inch pots at \$3.50
- # 805. Cattleya Mossiae Wagnerii. A self cross of a very nice white, June flowering Mossiae. Plants in 2 inch pots at \$2.50.
- #806. Cattleya Artic Snow x Cattleya S.E. Endicott. Both parents are choice pure whites with more than the usual amount of gold color in the lips and throats. Outstanding vigor. 2 inch pots at \$3.50.
- #811. (C. Gatton Glory x L.C. SJ Bracy) x Cattleya Danile Markell.
Both fine yellows with purple, gold veined lips. We expect little or no crippling in this cross as both parents are free of it. These plants have more vigor than most yellow cattleya hybrids. Plants in 2 inch pots at \$3.00 .Larger plants in 2½ inch pots at \$3.50.
- #813. Cattleya Artic Snow x Cattleya Maggie Bartell. White flowered parents that are outstanding for substance and size. Flowering season may vary but many should be spring flowering. Plants in 2 inch pots at \$3.00 each.
- #815. Cattleya Gatton Ruby x Cattleya Carl Swope. These are outstanding dark purple, summer flowering hybrids with large gold areas in the throats, prolific flowering -4 to 6 large flowers on the spike. Plants in 2 inch pots at \$3.00
- #814. Cattleya Carmen x Cattleya Ida S. Myers. Both parents are beautiful purple flowered June Hybrids. These seedlings may vary in shade of color and markings and season. Plants in 2 inch pots at \$3.00
- #818. Brasso-Laelia Mrs. M. Gratrix. The hybrid of Laelia Cinnabarina and Brasso-Laelia Digbyana. For something really different and outstanding with deep yellow to orange flowers with fringed lips. plants in 2 inch pots at \$3.50 which should start to flower next year. Smaller plants in 1½ inch pots at \$2.00
- #819. Laelia Cinnabarina x C. Bob Betts variety Giant. A new approach in breeding for large yellow flowered Cattleya Hybrids
Very interesting possibilities. Be sure not to miss this one. Plants in 2 inch pots at \$3.50. Smaller plants in 1½ inch pots at \$2.00.
- #820. S.L.C. Montmiami . A red flowered variety crossed to an unusual white flowered variety from the same seed pod as the red. A very few plants available in 1½ inch pots at \$2.50 . Interesting possibilities.
- #823. Laelia Purpurata, pure white variety. x Cattleya Artic Snow.
Both of these parents are white flowered, however the seedlings of this cross MAY be colored in lavender shades. Very vigorous growing, should be spring flowering. Plants in 2 inch pots at \$3.00 each.

(To avoid misunderstanding and possible delay in shipping, be sure to read our instructions on ordering.)

Plants in 2 to 3 inch pots. A few in 1 1/2 inch pots.

4807. Castleya Mosses Waynerii x Castleya Elisabeth Ann Theford. Both parents are very good June flowering white Castleys. We do not have many of these still available. Plants in 2 inch pots at \$2.00.

4808. Castleya Elisabeth Ann Theford x E.C. Peggy Williams. Fine splashed variety. All of these seedlings will not have splashed petals but those that do should be very beautiful. Summer flowering. Plants in 2 1/2 inch pots at \$2.50. Larger plants in 3 inch pots at \$3.50.

4809. Castleya Mosses Waynerii. A self cross of a very nice white June flowering Mosses. Plants in 2 inch pots at \$2.50.

4810. Castleya Arctic Snow x Castleya S.E. Endicott. Both parents are choice pure whites with more than the usual amount of gold color in the tips and throats. Outstanding vigor. 2 inch pots at \$3.50.

4811. (C. Gordon Glory x E.C. S.J. Brady) x Castleya Danile Markell. Both fine yellows with purple gold veined tips. We expect little or no rippling in this cross as both parents are free of it. These plants have more vigor than most yellow Castleya hybrids. Plants in 2 inch pots at \$2.50. Larger plants in 3 inch pots at \$3.50.

4812. Castleya Arctic Snow x Castleya Maggie Bartell. White flowered parents that are outstanding for substance and size. Flowering season may vary but many should be spring flowering. Plants in 2 inch pots at \$3.00 each.

4813. Castleya Gordon Ruby x Castleya Carl Swopes. These are outstanding dark purple, summer flowering hybrids with large gold areas in the throats, profuse flowering. 4 to 6 large flowers on the spikes. Plants in 2 inch pots at \$3.00.

4814. Castleya Carmen x Castleya Ida S. Myers. Both parents are beautiful purple flowered June hybrids. These seedlings may vary in shade of color and marking and season. Plants in 2 inch pots at \$2.50.

4815. Prunella-laelia Mrs. M. Graham. The hybrid of laelia cineraria and Prunella-laelia. For something really different and outstanding with a yellow to orange flowers with fringed tips. Plants in 2 inch pots at \$2.50. Should start to flower next year. Smaller plants in 1 1/2 inch pots at \$1.00.

4816. Laelia cineraria x C. Bob Betts variety. A new approach in breeding for large yellow flowered Castleya hybrids. Very interesting possibilities. Be sure not to miss this one. Plants in 2 inch pots at \$1.50. Smaller plants in 1 1/2 inch pots at \$1.00.

4817. S.L.C. Montclair. A red flowered variety crossed to an unusual white flowered variety from the same seed pod as the red. A very few plants available in 1 1/2 inch pots at \$2.50. Interesting possibilities.

4818. Laelia Purpurata, pure white variety. x Castleya Arctic Snow. Both of these parents are white flowered, however the seedlings of this cross MAY be colored in lavender shades. Very vigorous growing, should be spring flowering. Plants in 2 inch pots at \$3.00 each.

(To avoid misunderstanding and possible delay in shipping, be sure to read our instructions on ordering.)

Plants in 1½ inch pots. A few in 2 inch pots.

824. B.L.C. Ojai x Cattleya Artic Snow. An extreemly large Yellow brasso crossed with a white Cattleya. Only a few plants available in 1½ inch pots at \$2.50 each.

#835. Cattleya Leopoldii x Cattleya Harrisonae. This has been named C. Luciana. Interesting possibilities in a bifoliate Hybrid. Plants in 2 inch pots at \$2.50.

#836. Laelia Briscis x Self. Interesting possibilities in this inbred strain. Dwarf growing plants which should have white thru yellow to orange flowers in various sizes. Plants in 1½ inch pots at \$1.50 @

#837. S.L.C. Montmiami(rare white variety) x (Cattleya Snow Song x C. Mossiae Wagnerii) . Both parents whites with very heavy substance and wonderfull keeping qualities. Should be outstanding as a winter to spring flowering white. Plants. Plants in 2 inch pots at \$3.00 each.

#838. Cattleya Artic Snow x C. Artic Snow. Both parents with the entire lip gold colored with small white border. Very unusual and rare color combination. Plants in 2 inch pots at \$3.50. a few in 1½ at \$2.00

845. Cattleya Priscilla Alba x C. Mary Chilton Alba. Both parents are outstanding whites with purple lips. Mostly winter flowering. Only a few plants left in 1½ inch pots at \$2.00 each.

#846. Laelia-Cattleya Ida S. Myers x L.C. Ida S. Myers. Line breeding of two very outstanding fine dark colored EASTER flowering hybrids from the same seed pod. Plants ready for larger pots but still in 1½ inch pots at \$2.50 while they last.

#850. Cattleya Leopoldii x Cattleya Hardyana Alba. Should be similar to Cattleya Sydney T. Wright. A bifoliate with clusters of plum thru bronze-purple shades, some with red-purple dots on the petals, others without. Plants in 2 inch pots \$2.50. in 1½ inch pots at \$1.50

851. Cattleya Guttata variety Wintergreen x (C. White Empress x C. Bebee White). This Guttata produces large sprays of very attractive green flowers with tiny red dots. Crossed to this large White Cattleya Hybrid which has almost as heavy substance as a Cymbidium this should produce a new valuable Bifoliate hybrid in unusual colors during the winter. Plants in 2 inch pots at \$3.50 Smaller plants in 1½ inch pots at \$2.00

#852. C. Guttata var. Wintergreen x L.C. Luminosa, a bronze and yellow variety. Another new bifoliate with lots of vigor which should produce bronze thru yellow flowers with purple lips, of medium size and many on each spike. Plants in 2 inch pots at \$3.50. in 1½ inch pots at \$2.00

#853. C. Guttata var. Wintergreen x C. Joyce Hannington, fine white. Similar to cross # 851 above. Crosses like these hold the key to a new world of adventure and delight. 2 inch at \$3.50... 1½ inch at \$2.00

#854. L.C. Alcobaca, Nile green variety x B.L.C. Tercutain Alba. An experimental cross which is interesting. Result unknown. 1½ inch at \$2.00 each. Most of these are dwarf growing and will probably never be large growing plants.

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Seedlings in 1½ to 2 inch pots.

#870. Cattleya Guttata var. Wintergreen x B.L.C. Zanthinette. Chartruse green variety. This Guttata has large clusters of green flowers with red dots. Zanthinette is Charturse green with yellow lip. Interesting possibilities in this hybrid. Plants in 1½ inch pots \$2.00. 2 inch pots at \$3.50 each. Fall and winter season.

#872 Cattleya Enid Alba x Laelia Anceps Alba. Both parents are white flowered with purple lips. Very vigorous seedlings which should produce Medium size flowers on long spikes. Because of this Laelia Parent these will probably withstand lower temperatures than most Cattleya Hybrids. Plants in 1½ inch pots at \$2.00. (Winter flowering)

#875. Cattleya Harrisonae (red dotted Variety) x L.C. Daniel Markell, fine Yellow Variety. This should result in the darkest red-purple flowered Bifoliate Hybrids that have been offered to date. Should be summer to fall blooming. Plants in 1½ inch pots at \$2.00

#877. Oncidium Tigrinum x Oncidium Forbesii. A new Hybrid in Oncidiums Should result in golden to copper bronze flowers on long spikes, of the dancing lady type. plants in 1½ inch pots at \$2.00

We believe that the greatest pleasure to be found in growing orchids is the thrill of flowering a new hybrid seedling for the first time. This is especially true now with the new bifoliate types which are producing new colors and types. These bifoliate are rapidly replacing the older large flowered varieties as cut-flowers and as plants for hobby growers as they are more vigorous and usually easier to grow.

We have flowered many new colors such as reds, true pinks, greens, orange and apricot shades but we seldom have any of these new colors to offer in flowering size plants because we do not have the room to grow many of these seedlings to flowering size and those we do keep until maturity are reserved for cut-flower and breeding purposes. We seem to be continually building more greenhouses and yet during 1959 we were able to fill only a little more than half of the orders we received for mature plants.

Please don't ask for larger size plants than those listed. We just don't have them.

The size, number and quality of the flowers on a young orchid plant will continue to improve for several years after the first flowering and of course the size, number and quality, as well as the shade of color depends on many cultural factors, such as heat, light, amount and type of food given the plant as well as upon the skill and experience of the grower. No one can produce good flowers on a plant which has inherited poor quality but on the other hand an inexperienced grower who does not give his plants proper care or allows them to become diseased can expect only poor quality flowers of poor color, (if his plants bloom at all) even from the best quality plants of top notch breeding.

As a beginner, you should not expect the same results that are obtained by an experienced grower. To grow orchids successfully you have to like the plants well enough to WANT to learn the requirements of each type and be willing to put enough thought, planning and effort into trying to provide these requirements. No one can tell you how many times a week to water your plants no more than they can tell you how many times each day you require a drink of water, Temperature, Humidity and amount of air circulation varies from day to day and from place to place. YOU have to learn how to tell when the plant is dry enough to need water and this same reasoning applies to other factors too.

Journal of Interpersonal Violence

NEW SEEDLINGS FOR 1960

Offered for the first time this year, the stock of these is very limited

#883. Cattleya Empress Bells x Cattleya Mission Dolores. Both parents are very nice whites. The flowering season will very but many should bloom during the winter. 1½ inch pots. @ \$1.50

#890. Cattleya Harrisonae. Two Exceptionally fine dark colored plants of C. Harrisonae were used as parents. Fine varieties of Cattleya Harrisonae are scarce and because of the color, size and wonderful keeping qualities of these selected types, they are among the best of Cattleyas as cut-flowers. Both Parents produce from nine to eleven wide petaled flowers per spike. They keep after cutting better than many varieties of Cymbidiums. 1½ inch pots @ \$1.50

#891 (Cattleya Snow Song x C. Mossiae Wagnerii) x Cattleya Bob Betts, Variety Giant. The Pod parent is (as far as we can determine) an unnamed hybrid. It produces Medium size, very heavy textured flowers with wide petals and perfect shape. The Bob Betts used here is a very large (8 inches in diameter) white Cattleya of heavy texture and substance. Winter into late spring flowering season. 1½ inch pots @ 1.50

#892. Laelia Brescis, orange colored variety x to C. Bob Betts var. Giant. A speculative cross. Laelia Brescis is the hybrid of the pure white form of Laelia Purpurata and the orange-red laelia Harpophyllum. The Color in L. Harpophyllum is dominate so at least part of these seedlings should produce yellow to orange colored flowers of good size and substance AND with good vigor which is lacking in many of the yellow hybrids offered by growers today. Plants in 1½ inch pots @ \$1.50

#897. L.C. Peggy Huffman, fine splashed variety x C. Bob Betts var. Purity. The petals of this pod parent are marked with deep red-purple like the lip, against a light background. This Bob Betts was used because of its perfect shape and wonderful substance. At least some of these seedlings should be splashed. plants in 1½ inch pots @ 1.50

#898. Cattleya Harrisonae, fine dark variety x (C. Enid x L.C. Massoit) All of our Harrisonae hybrids that have flowered for us to date have proven to be very worth while. This cross should produce light to medium colored flowers with intense (deep) purple lips, during late fall and winter months. If you like bifoliate, don't miss this. 1½ inch. 1.50

901. Sophronites Grandiflora x Cattleya Arctic Snow, fine white with gold lip variety. Judging from the size of these seedlings it is hard to believe that their mother was the bright red flowered Sophronites Grandiflora that only grows from four to six inches in height. We expect deep pink to bright red flowers from this hybrid. Only a few of these available at \$5.00 each in 1½ inch pots. Limit of two plants to each customer so all of my customers will have a CHANCE to try it.

902. (L.C. Gatton Glory x L.C. SJ Braey.) crossed to (BLC Afterglow x C. Brussels Alba. Both Parents are fine varieties even tho they are still unnamed. The Pod parent is a bright orange with red lip flower of fine shape and substance, about six inches in diameter, sometimes larger. The pollin parent is a very large flower of fine shape and substance and soft cream-yellow in color including the lip. These seedlings will vary greatly in size and color. Some very fine and unusual colors should result. plants in 1½ inch pots \$1.50 each.

100. (1) The first of the two main types of the disease is the so-called "acute" form. It is characterized by a sudden onset of symptoms, which are usually accompanied by a high fever, a rapid pulse, and a high blood pressure. The patient is usually very ill, and the disease is often fatal. The second type is the "chronic" form, which is characterized by a more gradual onset of symptoms, and by a lower fever, a slower pulse, and a lower blood pressure. The patient is usually less ill, and the disease is often cured.

Seedlings in 1½ to 2½ inch pots. See prices and sizes offered under each variety.

858. Angraecum Eburneum. The green star orchid. Petals green, lip is white. Growth habit like a large Vanda. Up to 12 or more flowers per spike with 4 to six spikes produced on a large plant each flowering period in the winter. Easy to grow. Plants in 2½ inch pots at \$3.00

#859. C. Artic Snow x L.C. Peggy Huffman, fine splashed Variety. Another cross made to secure more of the beautiful splashed varieties of Cattleya Hybrids which have proven so popular. Plants in 1½ inch pots at \$2.00. Larger plants in 2 inch pots at \$3.50 each.

#860 . C. Leopoldii x L.C. Peggy Huffman, fine splashed variety. An experimental cross which should produce some unusual color combinations very vigorous growers. Plants in 1½ inch pots at \$1.50. Larger plants in 2 to 2½ inch pots at \$2.50.

862. Oncidium Concolor. One of the more rare specie Oncidiums. Seldom offered. Plants in 1½ inch pots at \$2.00 each.

#863. Cattleya Harrisonae, red dotted variety x Cattleya Maggie Bartell (white) We look forward to this producing some of the best of the bifoliate in light pink shades, some of which may have flowers covered with tiny red dots. Very heavy substance and medium size flowers. Plants in 1½ inch pots at \$2.00. larger size in 2 inch at \$3.50 each.

#864. L.C. Peggy Huffman x C. Georgie Aldridge. Both parents are selected varieties with splashes of color on the tips of the petals to match the darker lip color. A much larger percentage of this cross should have splashed flowers, altho the size and shape will vary more than with some of the other crosses made with only one Splashed Parent. Plants in 1½ inch pots at \$1.50. Larger plants in 2 inch pots @ \$3.00

#865. Cattleya Iris x C. Iris. Both parents have flowers of deep orange color and are outstanding for size and shape. Line breeding like this should result in quite a variation in shape and color as well as size. No crippling of flowers in this strain unless the plants become infected with virus diseases which will cause crippling of the flowers on any of the Cattleyas. Healthy disease free plants offered you at \$2.00 each in 1½ inch pots. \$3.50 each in 2 inch pots.

#866. Cattleya Guttata, var. Wintergreen. x Laelia Harpophyllum. Interesting possibilities. Probably resulting in cluster type flowers in Yellow thru orange shades, star shaped. Plants in 1½ inch pots \$2.00

#867. L.C. Alcobaca x B.L. Helen. Both parents are green flowered. This will result in a great variety of sizes, shapes and colors. No two plants may produce flowers alike. Only a few plants available in 1½ inch pots at \$2.50 each. We expect most of these to be dwarf growing.

#868. Cattleya Iris, Orange Variety x L.C. Daniel Markell, fine Yellow. This should result in vigorous plants with large yellow, chartruse to bronze flowers with purple lips. Plants in 1½ inch pots at \$2.00 Larger plants in 2 inch pots at \$3.50.

#869. C. Iris, orange variety x Cattleya Artic Snow. A Combination holding great prospects for the unusual and beautiful in new bifoliate Hybrids. Of course some of these will only have one leaf per bulb. Plants in 1½ inch pots at \$2.00. Larger plants in 2 inch pots \$3.50

Seedlings in 1 1/2 to 2 1/2 inch pots. See prices and sizes offered under each variety.

8538. *Angraecum sesquipedale*. The green star orchid. Foliage green, lip is white. Growth habit like a large Yucca. Up to 12 or more flowers per spike with 10 to 15 spikes produced on a large plant each flowering period in the winter. Easy to grow. Plants in 2 1/2 inch pots at \$3.00.

8539. C. Arctic Snow x L.C. Peggy Hoffman. Fine shaded variety. Another cross made to secure more of the beautiful shaded varieties of Cattleya Hybrids which have proven so popular. Plants in 1 1/2 inch pots at \$2.00. Larger plants in 2 inch pots at \$3.50 each.

8540. C. Leocadia x L.C. Peggy Hoffman. Fine shaded variety. An experimental cross which should produce some unusual color combinations very vigorous growth. Plants in 1 1/2 inch pots at \$2.50. Larger plants in 2 to 2 1/2 inch pots at \$4.00.

8541. *Onchidium concolor*. One of the more rare species. *Onchidium*. 2 1/2 inch pots. Plants in 1 1/2 inch pots at \$2.00 each.

8542. *Cattleya Harrisonae*, red double variety x *Cattleya Majoris Barbati* (white) no look forward to this producing some of the best of the hybrids in light pink shades, some of which may have flowers covered with tiny red dots. Very heavy substance and medium size flowers. Plants in 1 1/2 inch pots at \$2.00. Larger plants in 2 inch pots at \$3.50 each.

8543. L.C. Peggy Hoffman x C. *Cattleya Albida*. Both parents are selected varieties with shades of color on the tips of the petals to match the darker lip color. A much larger percentage of this cross should have shaded flowers, also the size and shape will vary more than with some of the other crosses made with only one shaded parent. Plants in 1 1/2 inch pots at \$1.50. Larger plants in 2 inch pots at \$3.00.

8544. *Cattleya Iris* x C. *Iris*. Both parents have flowers of deep orange color and are outstanding for size and shape. This breeding like this should result in better variation in shape and color as well as size. No crimping in flowers in this strain unless the plants become infected with virus diseases which will cause crimping of the flowers on any of the Cattleyas. Healthy disease free plants offered you at \$2.00 each in 1 1/2 inch pots. \$3.50 each in 2 inch pots.

8545. *Cattleya Gustav*, var. *Wintergreen*, x *Isabel Harpophyllum*. The parentage is difficult. Probably resulting in cluster type flowers in yellow and orange shades, some shaded. Plants in 1 1/2 inch pots \$2.00.

8546. L.C. *Alcoba* x B.L. *Helen*. Both parents are green flowered. This will result in a great variety of sizes, shapes and colors. No plants may produce flowers alike. Only a few plants available in 1 1/2 inch pots at \$2.50 each. We expect most of these to be dwarf growing.

8547. *Cattleya Iris*, Orange variety x L.C. *Isabel Harpophyllum*, var. *Yellow*. This should result in vigorous plants with large yellow, sometimes to produce flowers with purple lips. Plants in 1 1/2 inch pots at \$2.00. Larger plants in 2 inch pots at \$3.50.

8548. C. *Iris*, orange variety x *Cattleya Arctic Snow*. A combination holding great prospects for the unusual and beautiful in new foliage Hybrids. Of course some of these will only have one leaf per bud. Plants in 1 1/2 inch pots at \$2.00. Larger plants in 2 inch pots at \$3.50.

Plants in two to three inch pots. Some of our orchids start to flower in this size pot. These plants are from one to two years older than the plants offered in only 1½ inch pots.

#779. *Cattleya Chamberlainana*, Red flowered variety. x *Laelia Zanthina*.

Many of this cross have already flowered, some are yellow color like the *Laelia Parent*, others are Yellow bordered with red, others are bronze Etc. Flowers from 2½ to 3½ inches in diameter, may be larger as the plants become mature. Fall thru the winter flowering season. Please do not order any certain color as most of the plants that have flowered to date are already sold. Plants in 2 to 2½ inch pots at \$2.50 each.

Larger plants in three inch pots at \$3.50 each.

#780. L.C. Doris. The Hybrid of *Cattleya Trianae* and *Laelia Harpophyllum*. This is a cluster type spray orchid flowering during the winter with bright orange flowers, each three to four inches in diameter, when the plants are mature. Plants in 2 to 2½ inch pots at \$2.50. Larger plants in 2½ to 3 inch pots at \$3.50. Most of this larger size should flower next winter.

#788. *Cattleya Joyce Hannington*, a beautiful large white crossed to L.C. *Schroderae* which is a hybrid of *Laelia Purpurata* variety *Carnea* and is a pure white with a solid colored RED LIP. We do not know just what will result here as far as the color. All of these should flower during the winter and early spring. Plants in 2½ inch pots at \$3.00

#790. *Brassia Verrucosa* x *Miltonia Spectabilis* var. *Bicolor*. A very large flowered (15 inches in diameter) spider orchid crossed to the warm growing brazilian *Miltonia* which is white with a lavender blotch on the lip. Result still unknown but we predict something exciting and unusual. plants in 2½ inch pots at \$2.50. some of these should flower this year.

#791. *Brassia Verrucosa* x *Miltonia Spectabilis* variety *Mooreliana*. Similar to above cross except the *Miltonia* has deep purple flowers. This should give a different color range from the above. Plants in 2½ inch pots at \$2.50 each.

#795. *Oncidium Splendidum* x *Oncidium Cavendishianum*. A brand new cross still unflowered at the time this list was made up but it should start to flower this year. This cross has received considerable publicity because of the unusual chromosome count which may result in something very unusual. Two sizes of plants. \$2.50 and \$5.00 each.

#797-801. *Cattleya Beopoldii*. A very unusual and hard to find bifoliate specie. Both parents are very choice selected types. One of them has green flowers, the other produces bronze, purple spotted flowers. Both grow five feet above the pot and have large flower heads of 25 to 45 blooms, each 3½ to 4½ inches in diameter. A very spectacular orchid. Plants in three sizes, at \$3.00- \$4.00 and \$5.00 each. the larger size should have the first flowers this fall but of course the first time they flower they usually have only 2 to 5 flowers of smaller size.

#802. *Cattleya Harrisonae*, fine dark type x *Cattleya Hardyana*, very dark. This is a repeat cross of our (best to date) *Harrisonae* crosses. Flowers during the summer and early fall months with clusters of 4 to 5 inch beautiful dark lavender to purple flowers with golden markings in the throats and lips, of very heavy substance. Wonderful cut-flowers. Plants in 2½ inch pots at \$3.50 each.

Plants in two to three inch pots. Some of our orchids start to flower in this size pot. These plants are from one to two years older than the plants offered in only 1 1/2 inch pots.

4779. Cattleya Chamberlainiana, Red flowered variety, x Isotria Lanthina. Many of this cross have already flowered, some are yellow color like the Isotria parent, others are yellow bordered with red, others are yellow. Flowers from 2 1/2 to 3 1/2 inches in diameter, may be larger as the plants become mature. Fall from the winter flowering season. Please do not order any certain color as most of the plants that have flowered to date are already sold. Plants in 2 to 2 1/2 inch pots at \$2.50 each. Larger plants in three inch pots at \$3.50 each.

4780. J.C. Doria. The Hybrid of Cattleya Trianae and Isotria Harpophylla. This is a cluster type spray which flowered during the winter with bright orange flowers, each three to four inches in diameter, when the plants are mature. Plants in 2 to 2 1/2 inch pots at \$2.50. Larger plants in 2 1/2 to 3 inch pots at \$3.50. Most of this larger size should flower next winter.

4781. Cattleya Joyce Hamilton, a beautiful large white crossed to J.C. Schrobner which is a hybrid of Isotria purpurea variety Cornes and Isotria pure white with a solid colored center. We do not know just what will result here as far as the color. All of these should flower during the winter and early spring. Plants in 2 1/2 inch pots at \$3.00.

4790. Brassia Verrucosa x Miltonia Spectabilis var. Bicolor. A very large flowered (1 1/2 inches in diameter) spider orchid crossed to the warm growing Brazilian Miltonia which is white with a lavender blotch on the lip. Results still unknown but we predict something exciting and unusual. Winter in 2 1/2 inch pots at \$2.50. Some of these should flower this year.

4791. Brassia Verrucosa x Miltonia Spectabilis variety Mooreana. Similar to above cross except the Miltonia has deep purple flowers. This should give a different color range from the above. Plants in 2 1/2 inch pots at \$2.50 each.

4792. Oncidium Solandrium x Oncidium Govea. A brand new cross still unflowered at the time this list was made up but it should start to flower this year. This cross has received considerable publicity because of the unusual chromosome count which may result in something very unusual. Two sizes of plants, 1 1/2 to 2 inch and 2 1/2 to 3 inch each.

4793-801. Cattleya Beccofidii. A very unusual and hard to find bilobed species. Both parents are very choice selected types. One of them has green flowers, the other produces bronzed, deeply spotted flowers. Both grow five feet above the pot and have large flower heads of 25 to 30 flowers, each 3 1/2 to 4 1/2 inches in diameter. A very spectacular orchid. Plants in three sizes, at \$3.00, \$4.00 and \$5.00 each. The larger size should have the first flowers this fall but of course the first to flower they usually have only 2 to 3 flowers of smaller size.

4802. Cattleya Harrisonae, like dark type x Cattleya Harrisonae, very dark. This is a repeat cross of our best to date Harrisonae crosses. Flowers during the summer and early fall months with clusters of 4 to 5 inch beautiful dark lavender to purple flowers with golden markings in the bracts and lips, of very heavy substance. Wonderful cut-flower. Plants in 2 1/2 inch pots at \$2.50 each.